Personal System/2 Models 35 SX and 35 LS

Big value on a small base

Space may be tight, and so may your budget, but there's no reason to miss out on the best: IBM Personal System/2.® Everything IBM stands for – superior quality, reliability, service and support – are yours with PS/2® Models 35 SX and 35 LS. Yet these compact systems come at a very economical price.

The 35 SX and LS combine 32-bit application compatibility with excellent performance. And they feature a new space-saving design that makes them an easy fit on any desktop. You can even stand them vertically to save more space.

Beyond this, both systems are completely flexible to suit most computing environments – offering you a choice of keyboards, choice of expansion options, choice of fixed disk and/or diskette storage, or no storage media at all. Configured especially for IBM Token-Ring Networks,[1] Model 35 LS is medialess. You can leave it "as is" to assure security on your LAN – or add storage whenever you like.

A variety of integrated functions give you versatility as well as value with Models 35 SX and LS. Also, three expansion slots and a generous 2MB of expandable memory give you room to grow. So you can protect your investment over time.

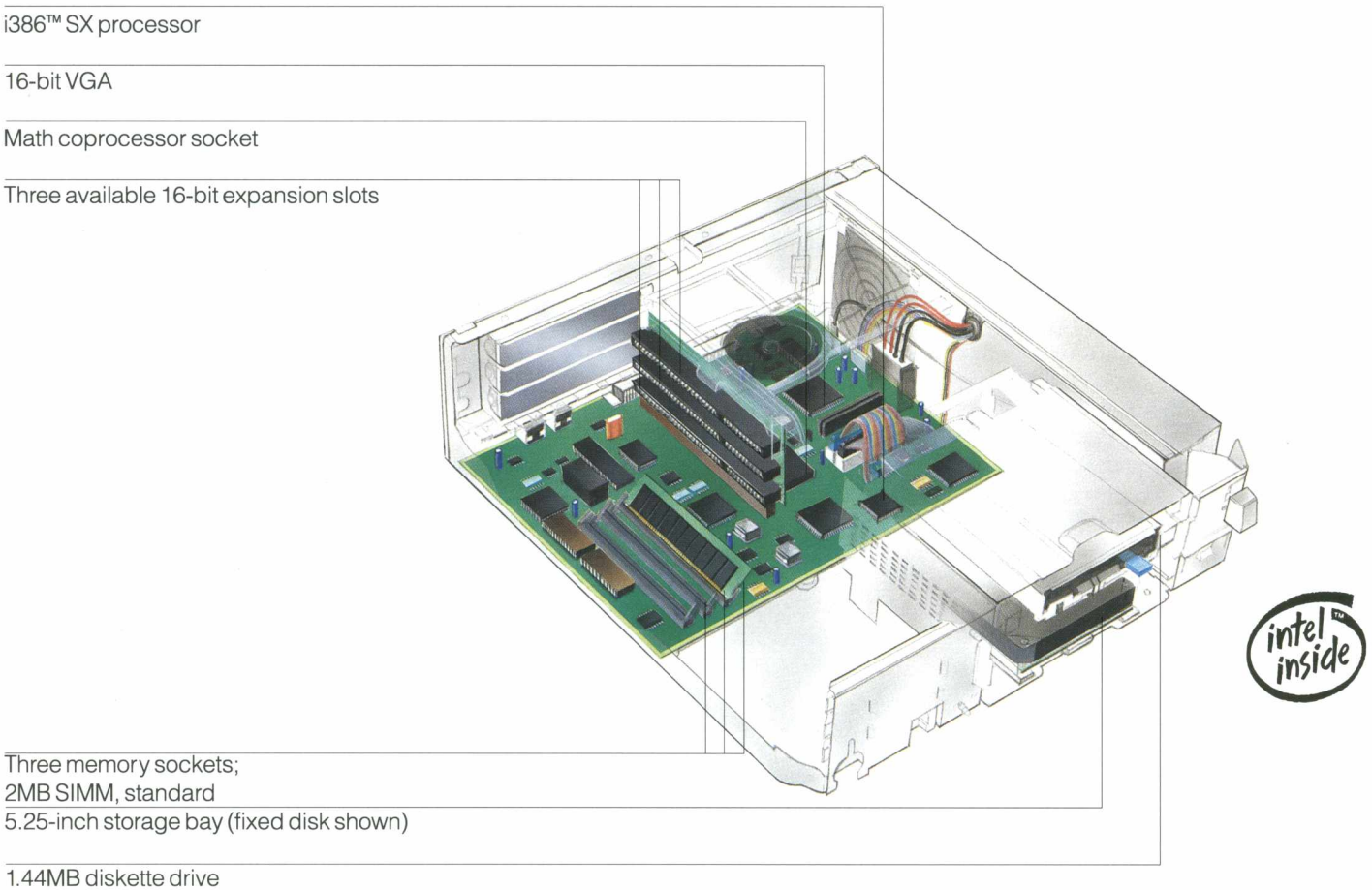
Models 35 SX and 35 LS at work

Here are some of the ways you can put Model 35 SX or Model 35 LS to work for you:

- Run your pick of popular DOS-based general business and personal productivity programs (for extra efficiency, rely on DOS 5.0)
- Easily and economically share a wide range of resources – like files, printers and programs – by connecting the 35 LS to your LAN
- Handle host-connected 3270 applications with a compatible 122-key keyboard – and get the advantage of an intelligent terminal at the same time
- Take care of word processing tasks, compute spreadsheets, send electronic mail – at the office or at home
- Increase productivity in the classroom for teachers and students alike

Feature	Benefit
20 MHz Intel386™ SX microprocessor	• Delivers impressive speed, power and performance • Allows you to support 32-bit, 386-based applications without paying top price
2MB memory, expandable to 16MB on planar	• Gives you plenty of speed plus workspace for large programs and files • Saves expansion slots for other options
Two storage bays	• Provide room to add a second diskette drive or a hard disk, as you choose • Make it possible to create a "mixed media" environment
Integrated diskette controller	• Provides built-in support for an internal 5.25-inch diskette drive, saving an expansion slot for other use • Lets you take advantage of the latest technology by supporting an optional 3.5-inch 2.88MB diskette drive
Selectable boot	• Allows you to boot from any diskette or disk drive, so using different operating systems is simple
Choice of keyboards	• For the first time, offers a selection: the familiar 101-key PS/2 Enhanced Keyboard, an 84-key Space Saving Keyboard, or a 122-key keyboard for host-connected applications • Means you can fit the keyboard to the task
Small footprint	• Leaves extra room on your desktop for papers, books, etc. • Allows you to set up multiple workstations in a small space
16-bit VGA graphics	• Make business graphics, text and digitized images look sharp and clear

Model 35 SX



IBM Host-Connected Keyboard (122 keys), available in one of eleven languages

PS/2 Enhanced Keyboard (101 keys), available in one of eleven languages

Space Saving Keyboard (84 keys), available in one of three languages (U.S. English, Canadian French and Spanish)

Wide range of options[2]

	Part no.
Storage devices	
• 3.5" 1.44MB Slim High Diskette Drive	6451130
• 3.5" 2.88MB Slim High Diskette Drive	6451106
• 5.25" 1.2MB Slim High Internal Diskette Drive	6451066
• 5.25" 360KB External Diskette Drive	4869001
• 40MB Fixed Disk Drive I	6451073
• 80MB Fixed Disk Drive I	6451074
• 120MB Internal Tape Backup Unit	30F5279
Scanners	
• 3118 Scanner	3118010/3118020
Connectivity/communications	
• Token-Ring Network Adapter II	25F9858
• Token-Ring Network 16/4 Adapter	25F7367
• PC Network Broadband Adapter II	1501220
• PC Network Baseband Adapter	1501221
• Serial/Parallel Adapter	6450215
• 3278/79 Emulator Adapter	53F6425
• SDLC Adapter	1501205
• Enhanced 5250 Emulation Adapter Kit	30F5383
• Display Station Emulation Adapter	92X0813
• Realtime Interface Co-Processor	00F5527
• Realtime Interface Co-Processor Multiport Model 2 (1MB)	33F8791
• Realtime Interface Co-Processor (128KB)	85X2710
• Realtime Interface Co-Processor (512KB)	85X2706
Graphics and multimedia	
• M-Audio Capture and Playback Adapter	87F9908
Other features	
• PS/2 Mouse	6450350
• SpeechViewer™ Kit	6450610
• SpeechViewer Hardware	6450611
• PhoneCommunicator Convenience Kit	6450618
• Screen Reader™	6450616
• PS/2 Floor Stand	95F5606

Memory matrix table

Memory on system board	All models
Standard memory	2MB
Maximum memory supported	16MB
System board memory expansion kits	1MB: 85ns (6450603) 2MB: 85ns (6450604) 2MB: 80ns (6450608) 4MB: 80ns (87F9977) 8MB: 80ns (6450129)
Number of memory kits that can be added on system board (available sockets)	2
Memory configurations possible on system board	Various configurations from 2MB to 16MB

Why PS/2?

Here are some of the reasons why PS/2 stands out as the best solution for your business needs.

Technological leadership through durable, integrated construction and space-saving design.

Compatibility to protect your investment since the PS/2s you have today work with existing products and programs and with those you'll need tomorrow.

Service and support that provide you with everything from fast parts delivery to onsite services to system planning to 24-hour phone support – all at a competitive price.

Business Partners who enhance PS/2 capabilities by helping customers choose, customize and configure hardware and software to meet a range of needs.

Quality and reliability that ensure PS/2s are built to perform smoothly and dependably year after year.

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[1] IBM further intends to provide an Ethernet-configured version at a future time.

[2] The options listed may require other features for the desired function or for installation.

[3] DOS 5.0 is required to support the 2.88MB diskette drive and the media-sense features of the 1.44MB and 2.88MB drives.

[4] Requires 5.25" Diskette Adapter Card.

[5] Supported by the PS/2 Image Adapter/A.

[6] A keyboard must be selected; all keyboards are available in a variety of languages.

[7] Keys and features on this keyboard that are not on the 101-key keyboard are supported on the 35 SX by Personal Communications/3270 V.2.0 and 3270 Emulation Entry Level V.2.0 using DOS 5.0.

[8] A future release of OS/2 LAN Server will provide OS/2 client support for Remote Program Load in a Token-Ring Network.

This document was created on an IBM Personal System/2 Model 70 386 with Aldus PageMaker® 4.0 desktop publishing software.

IBM Personal System/2 Models 35 SX and 35 LS at a glance

Machine numbers	Model 35 SX 8535-040	Model 35 SX 8535-043	Model 35 LS 8535-24X
Microprocessor			
Standard	80386 SX	80386 SX	80386 SX
Clock speed	20 MHz	20 MHz	20 MHz
Wait states	0-2	0-2	0-2
Other functions	Socket for i387™ SX math coprocessor		
Bus architecture	AT®-type	AT-type	AT-type
Data path	16-bit	16-bit	16-bit
Memory (RAM)			
Standard	2MB (85ns)	2MB (85ns)	2MB (85ns)
Maximum on system board	16MB	16MB	16MB
System maximum	16MB	16MB	16MB
Integrated functions	16-bit Video Graphics Array (VGA) with display port, serial port, parallel port, keyboard port, pointing device port, diskette controller, Token-Ring Network 16/4 Adapter (LS only)		
Available expan. slots	Three full-size 8/16-bit		Two full-size 8/16-bit
Diskette storage (internal)			
Standard (3.5-inch)	1.44MB	1.44MB	–
Optional	1.44MB or 2.88MB[3] (3.5-inch) or 1.2MB (5.25-inch), excluding 8535-043		
Diskette storage (external)			
Optional (5.25-inch)[4]	360KB	360KB	360KB
Fixed disk storage (internal)			
Standard	–	40MB (17ms)	–
Optional	40MB or 80MB (17ms)	–	40MB or 80MB
Display modes	VGA (includes all EGA, CGA and MCGA modes)		
Text	360 or 720 x 400; 9 x 16 pel character matrix; 80 columns x 25 rows; up to 16 colors		
APA modes	320 x 200 x 256 colors or 64 gray shades; 640 x 480 x 16 colors or 16 gray shades; palette of 256,000 colors or 64 gray shades		
Supported displays	IBM Personal System/2 Color Displays 8512, 8513, 8514, 8515 and 8516; IBM Personal System/2 Monochrome Displays 8504, 8506,[5] 8507 and 8508[5]		
Supported printers/ plotters	IBM Proprinter® family, IBM LaserPrinter family, IBM ExecJet™ Printer, IBM Quietwriter® family, IBM Quickwriter,® IBM Page Printer 3812/3816, IBM PS/1™ Printer, IBM 618X and 737[2] Color Plotters		
Choice of keyboards[6]	PS/2 Enhanced Keyboard (1393990): 101 keys, including 12 function keys, 3 lighted mode indicators; Space Saving Keyboard (1396050): 84 keys, including 12 function keys; IBM Host-Connected Keyboard (1396400): 122 keys;[7] a 3-meter keyboard cable is standard with all keyboards		
Power supply	118-watt worldwide, autosensing and autoswitching		
Operating systems	040 and 043: DOS 3.3 or higher, IBM Operating System/2® Standard or Extended Edition 1.3 (refresh level 1.30.1) LS 24X: DOS 3.3 or higher client support provided by OS/2® E.E. 1.3 (refresh level 1.30.1) and OS/2 Lan Server; DOS 3.3, PC LAN Program 1.3, LAN Support Program 1.3; Novell NetWare® 2.2, 3.11; OS/2 1.3 client support provided by Novell NetWare 2.2, 3.11[8]		
Size	Approx. 4.5"H x 14.2"W x 16.4"D (115mm x 360mm x 416mm)		
	22.3 lbs. (10.17 kg)	23.6 lbs. (10.75 kg)	20.9 lbs. (9.52 kg)
Warranty	One-year limited warranty		

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